

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	11662	adjust\$4 adj2 power same output	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	OFF	2007/09/06 10:18
L2	320	adjust\$4 adj2 output adj2 power same sensor\$2	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	OFF	2007/09/06 10:40
L3	72	l2 and (plc or power adj2 line)	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	OFF	2007/09/06 10:39
L4	3035	375/222.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	OFF	2007/09/06 10:31
L5	0	l2 and l4	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	OFF	2007/09/06 10:31
L6	5	l2 and "340"/\$.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	OFF	2007/09/06 10:32
L11	3	l2 and (plc or power adj2 line adj2 communication)	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	OFF	2007/09/06 10:41
L12	560	sense\$4 adj2 output adj2 power	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	OFF	2007/09/06 10:41
L13	5	l12 and (plc or power adj2 line adj2 communication)	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	OFF	2007/09/06 10:47
L14	264	l1 and (plc or power adj2 line adj2 communication or modem)	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	OFF	2007/09/06 10:47
L15	1067	l1 and (plc or power adj2 line adj2 communication or modem)	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	OFF	2007/09/06 10:47

## EAST Search History

L16	456	l15 and sensor	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	OFF	2007/09/06 10:47
L17	9	("20020018531"   "5390365"   "5828955"   "5960339"   "6049722"   "6125266"   "6298096"   "6675024"   "7016654").PN.	US-PGPUB; USPAT; USOCR	AND	OFF	2007/09/06 11:26
L18	5	("20030179040"   "20040203472"   "4542324"   "6242976"   "6677823").PN.	US-PGPUB; USPAT; USOCR	AND	OFF	2007/09/06 11:34
L19	5	("20040219884"   "6169463"   "6313703"   "6759902"   "6836493").PN.	US-PGPUB; USPAT; USOCR	AND	OFF	2007/09/06 11:37
L20	8	("4709416"   "4945541"   "6108114"   "6160647"   "6438285"   "6496525"   "6516015"   "RE36491").PN.	US-PGPUB; USPAT; USOCR	AND	OFF	2007/09/06 11:40
L21	4	("20020149821"   "4887280"   "6307443"   "6684033").PN.	US-PGPUB; USPAT; USOCR	AND	OFF	2007/09/06 11:57
L22	4	("5258903"   "5475295"   "5705956"   "5945817").PN.	US-PGPUB; USPAT; USOCR	AND	OFF	2007/09/06 12:08
L23	19	("4075699"   "4156866"   "4210901"   "4454509"   "4598286"   "4656475"   "4847781"   "4899131"   "4949359"   "5140349"   "5287353"   "5317366"   "5327121"   "5349905"   "5481249"   "5483517"   "5485246"   "5600310"   "5758249").PN.	US-PGPUB; USPAT; USOCR	AND	OFF	2007/09/06 12:16
L24	7	("3927404"   "4185272"   "4392125"   "4468655"   "4535401"   "4586040"   "4658243").PN.	US-PGPUB; USPAT; USOCR	AND	OFF	2007/09/06 12:18
L25	4	("3918003"   "5208550"   "5214393"   "5376895").PN.	US-PGPUB; USPAT; USOCR	AND	OFF	2007/09/06 12:25
L26	19	("3918003").URPN.	USPAT	AND	OFF	2007/09/06 12:36
L27	33	("5214393").URPN.	USPAT	AND	OFF	2007/09/06 12:37
L28	28	("5376895").URPN.	USPAT	AND	OFF	2007/09/06 12:52
L29	18	"4845466"	USPAT	AND	OFF	2007/09/06 13:05
L30	26	"5929748"	USPAT	AND	OFF	2007/09/06 13:05

## EAST Search History

L31	44	power adj2 line adj2 modem and (adjust same power)	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	OFF	2007/09/06 14:17
L32	6	"2005005922"	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	OFF	2007/09/06 13:36
L33	28	"0165862"	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	OFF	2007/09/06 13:36
L34	5	"7020449"	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	OFF	2007/09/06 14:11
L35	7	("4739307"   "5898912"   "6516185"   "6516187"   "6577188"   "6697611"   "6760604").PN.	US-PGPUB; USPAT; USOCR	AND	OFF	2007/09/06 14:12
L36	6	modem adj2 power adj2 line and (adjust same power same output)	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	OFF	2007/09/06 14:17
L45	17	("4845466").URPN.	USPAT	AND	OFF	2007/09/06 15:30

## EAST Search History

L46	179	(("2510273"   "2516211"   "2516763"   "2535446"   "2567908"   "2577731"   "2654805"   "2820097"   "2828363"   "2932794"   "3045066"   "3280259"   "3334185"   "3369078"   "3399397"   "3400221"   "3475561"   "3521267"   "3529216"   "3659280"   "3693155"   "3810096"   "3818481"   "3846638"   "3852740"   "3876984"   "3911415"   "3922664"   "3924223"   "3925728"   "3925763"   "3942168"   "3949172"   "3967264"   "3973087"   "3980954"   "4012733"   "4012734"   "4016429"   "4057793"   "4058678"   "4065763"   "4107656"   "4161027"   "4173754"   "4174517"   "4218655"   "4222035"   "4239940"   "4254403"   "4307380"   "4321581"   "4323882"   "4344066"   "4357598"   "4371867"   "4377804"   "4386436"   "4400688"   "4408185"   "4408186"   "4429299"   "4433326"   "4442319"   "4471399"   "4473817"   "4475193"   "4479033"   "4495386"   "4514594"   "4523307"   "4535447"   "4538136"   "4556864"   "4556865"   "4556866"   "4559520"   "4599598"   "4609839"   "4611274"   "4633218"   "4638298"   "4638299"   "4641126"   "4641322"   "4642607"   "4644321"   "4675648"   "4701945"   "4745391"   "4745392"   "4746897"   "4749992"   "4759016"   "4763103"   "4772870"   "4774493"   "4783780"   "4788527"   "4809296"   "4829570"   "4835517"   "4845466"   "4847903"   "4864589"   "4866733"   "4890089"   "4912553"   "4962496"   "4963853"   "4968970"   "4988977"   "4995053"   "5003457"   "5027822"   "5040876"	US-PGPUB; USPAT; USOCR	AND	OFF	2007/09/06 15:36
9/6/07 6:17:04 PM		C:\Documents and Settings\Nancy\My Documents\EAST\workspaces\10702572-modem connect to power line comm.wsp				Page 4

## EAST Search History

L48	38	(US-20010038288-\$).did. or (US-4979183-\$ or US-4543540-\$ or US-4538136-\$ or US-4864589-\$ or US-4070572-\$ or US-6417762-\$ or US-6515485-\$ or US-7091878-\$ or US-4697166-\$ or US-6980091-\$ or US-7103240-\$ or US-5684450-\$ or US-5982276-\$ or US-5589813-\$ or US-4563650-\$ or US-4668934-\$ or US-6452482-\$ or US-6296636-\$ or US-6142992-\$ or US-4246531-\$ or US-6549867-\$ or US-5724003-\$ or US-5376895-\$ or US-5214393-\$ or US-6795694-\$ or US-5198810-\$).did. or (US-4845466-\$ or US-7034707-\$ or US-6212274-\$ or US-4745392-\$ or US-4641322-\$ or US-4514594-\$ or US-4408185-\$ or US-4371867-\$).did. or (WO-2004045086-\$).did. or (JP-2005005922-\$).did. or (WO-2004045086-\$).did.	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	OFF	2007/09/06 17:16
L49	11	l48 and (adjust\$4 adj3 power)	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	OFF	2007/09/06 17:18
L50	8	l48 and (adjust\$4 adj3 (voltage\$4 or current))	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	OFF	2007/09/06 17:33
L51	1	l48 and maximum and (electromagnetic same radiation)	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	OFF	2007/09/06 17:37
L52	27	("4004110"   "4016429"   "4142178"   "4188619"   "4254402"   "4323882"   "4357598"   "4408186"   "4433284"   "4473816"   "4481501"   "4602240"   "4675648"   "4745391"   "4903006"   "5210519"   "5257006"   "5301208"   "5351272"   "5406249"   "5559377"   "5684450"   "5694108"   "5717685"   "5777789"   "5856776"   "5864284").PN.	US-PGPUB; USPAT; USOCR	AND	OFF	2007/09/06 17:36

## EAST Search History

L53	26	l48 and maximum	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	OFF	2007/09/06 17:37
S1	23	"4845466"	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	OFF	2007/03/06 09:54
S2	2	"20040148632"	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	OFF	2007/03/05 18:11
S3	2	"20040109499"	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	OFF	2007/03/05 18:12
S4	11	"5991269"	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	OFF	2007/03/05 18:23
S5	28	"4583090"	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	OFF	2007/03/05 18:23
S6	39	("20020140547"   "4114151"   "4310805"   "4359644"   "4396915"   "4418333"   "4504831"   "4517548"   "4517562"   "4538136"   "4583090"   "4602340"   "4636771"   "4641322"   "4700188"   "4749992"   "4937569"   "5070537"   "5185591"   "5251191"   "5334975"   "5416364"   "5581229"   "5978371"   "6002213"   "6137240"   "6154488"   "6172616"   "6393126"   "6396839"   "6577231"   "6686848"   "6737984"   "6744351"   "6834002"   "6834091"   "6838978"   "6998963"   "7012505").PN.	US-PGPUB; USPAT; USOCR	AND	OFF	2007/03/05 18:25
S7	17	("4700188").URPN.	USPAT	AND	OFF	2007/03/05 18:37
S8	7	"4729125"	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	OFF	2007/03/06 09:57

## EAST Search History

S9	6	"5886619"	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	OFF	2007/03/06 09:57
S10	5	("3714419"   "3794833"   "4905605"   "5142277"   "5289778").PN.	US-PGPUB; USPAT; USOCR	AND	OFF	2007/03/06 10:02
S11	25	"5929748"	US-PGPUB; USPAT; USOCR	AND	OFF	2007/03/06 10:02
S12	22	("5929748").URPN.	USPAT	AND	OFF	2007/03/06 10:15
S13	5	"6320494"	USPAT	AND	OFF	2007/03/06 10:16
S14	43086	power adj2 line adj2 communication or plc	USPAT	AND	OFF	2007/03/06 10:17
S15	43086	(power adj2 line adj2 communication) or plc	USPAT	AND	OFF	2007/03/07 11:52
S16	0	S15 and modern and sensor\$2	USPAT	AND	OFF	2007/03/06 10:44
S17	720	S15 and modem and sensor\$2	USPAT	AND	OFF	2007/03/06 10:18
S18	13	S17 and (adjust\$4 adj2 power)	USPAT	AND	OFF	2007/03/06 10:32

# EAST Search History

S19	146	("20010008390"   "20020060639"   "20020070863"   "20020111698"   "20020174367"   "20030133473"   "20030227385"   "20040008112"   "20040046642"   "20040066280"   "20040189471"   "20040210495"   "4367458"   "4465904"   "4550311"   "4613848"   "4724425"   "4731810"   "4754261"   "4772876"   "4812820"   "4855713"   "4908604"   "4951029"   "4980913"   "5040335"   "5233640"   "5235326"   "5300875"   "5307763"   "5347280"   "5400246"   "5406263"   "5438607"   "5465081"   "5477215"   "5500651"   "5508692"   "5543778"   "5568535"   "5583796"   "5621380"   "5621662"   "5625338"   "5629981"   "5646592"   "5649296"   "5668929"   "5706399"   "5726644"   "5736927"   "5742237"   "5745849"   "5748079"   "5761206"   "5774876"   "5786767"   "5799062"   "5801626"   "5802467"   "5805063"   "5805064"   "5809013"   "5812054"   "5822373"   "5828300"   "5831531"   "5887176"   "5889468"   "5894266"   "5898369"   "5905438"   "5907279"   "5920270"   "5929778"   "5937067"   "5949335"   "5950110"   "5952935"   "6026165"   "6028513"   "6034603"   "6049273"   "6054925"   "6058137"   "6058374"   "6060994"   "6078269"   "6084530"   "6087933"   "6091320"   "6104785"   "6120262"   "6127928"   "6134303"   "6137402"   "6150936"   "6150948"   "6160488"   "6163257"   "6175860"   "6177861"   "6191701"   "6195006"   "6204760"   "6208247"   "6208694"   "6215404"   "6229997"   "6236315"   "6243010"   "6243012"   "6252501"   "6255944"   "6271754"   "6285761"	US-PGPUB; USPAT; USOCR	AND	OFF	2007/03/06 10:19
9/6/07 6:17:04 PM	C:\Documents and Settings\mlyover2\My Documents\EAST\workspaces\10702572-modem connect to power line comm.wsp					Page 8



## EAST Search History

S20	0	S17 and power adj2 mask	USPAT	AND	OFF	2007/03/06 10:32
S21	1	S15 and (power adj2 mask)	USPAT	AND	OFF	2007/03/06 10:33
S22	287	(power adj2 mask)	USPAT	AND	OFF	2007/03/06 10:33
S23	0	S22 and modern and sensor\$2	USPAT	AND	OFF	2007/03/06 10:44
S24	1	S22 and modem and sensor\$2	USPAT	AND	OFF	2007/03/06 10:33
S25	21	("4131766"   "4237551"   "4606043"   "4941200"   "5095528"   "5617450"   "5627501"   "5678198"   "5790174"   "5883941"   "5956323"   "6023612"   "6029048"   "6118766"   "6130882"   "6141330"   "6236664"   "6236726"   "6583899"   "6625116"   "6671502").PN.	US-PGPUB; USPAT; USOCR	AND	OFF	2007/03/06 10:34
S26	1	(adjust\$4 adj2 power) and modern and sensor\$2	USPAT	AND	OFF	2007/03/06 10:44
S27	334	(adjust\$4 adj2 power) and modem and sensor\$2	USPAT	AND	OFF	2007/03/06 10:48
S28	13	S15 and S27	USPAT	AND	OFF	2007/03/06 10:44
S29	97	(adjust\$4 adj2 power) and modem and sensor\$2 and (power adj2 line)	USPAT	AND	OFF	2007/03/06 11:42
S30	228	(automatic\$4 adj2 gain adj2 control\$2) and modem and (power adj2 line)	USPAT	AND	OFF	2007/03/06 11:43
S31	17	(automatic\$4 adj2 gain adj2 control\$2) and modem and (power adj2 line adj2 communication)	USPAT	AND	OFF	2007/03/06 14:04

## EAST Search History

S32	39	("20020140547"   "4114151"   "4310805"   "4359644"   "4396915"   "4418333"   "4504831"   "4517548"   "4517562"   "4538136"   "4583090"   "4602340"   "4636771"   "4641322"   "4700188"   "4749992"   "4937569"   "5070537"   "5185591"   "5251191"   "5334975"   "5416364"   "5581229"   "5978371"   "6002213"   "6137240"   "6154488"   "6172616"   "6393126"   "6396839"   "6577231"   "6686848"   "6737984"   "6744351"   "6834002"   "6834091"   "6838978"   "6998963"   "7012505").PN.	US-PGPUB; USPAT; USOCR	AND	OFF	2007/03/06 11:43
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# EAST Search History

S33	352	("1547242"   "20010038329"   "20010038343"   "20010045888"   "20010052843"   "20010054953"   "20020002040"   "20020010870"   "20020014884"   "20020027496"   "20020041228"   "20020048368"   "20020060624"   "20020071452"   "20020080010"   "20020095662"   "20020097953"   "20020098867"   "20020098868"   "20020105413"   "20020109585"   "20020110310"   "20020110311"   "20020118101"   "20020121963"   "20020140547"   "20020154000"   "20020171535"   "20030007570"   "20030007576"   "20030062990"   "20030067910"   "20030090368"   "20030103307"   "20030107477"   "20030129978"   "20030149784"   "20030160684"   "20030169155"   "20030179080"   "20030184433"   "20030185237"   "20030201759"   "20030201873"   "20030210135"   "20030210734"   "20030222747"   "20030222748"   "20030224784"   "20030227373"   "20030232599"   "20030234713"   "20040001438"   "20040001499"   "20040032320"   "20040037317"   "20040054425"   "20040064782"   "20040067745"   "20040070912"   "20040083066"   "20040110483"   "20040113756"   "20040113757"   "20040142599"   "20040174851"   "20040223617"   "20040227621"   "20040227622"   "20040242185"   "20040257731"   "20040266322"   "20040266332"   "20050017825"   "20050063422"   "20050128057"   "20050164666"   "20050194838"   "20050249245"   "20050258920"   "2298435"   "2577731"   "3369078"   "3445814"   "3605009"   "3641536"   "3656112"   "3696383"   "3701057"   "3702460"   "3810096"   "3846638"   "3895370"   "3900842"   "3911415"   "3942168"   "3942170"   "3962547").PN. OR ("3964048"   "3967264"   "3973087"   "3973240"   "3993989"   "4004110"   "4004257"   "4012733"   "4016429"   "4017845"   "4053876"   "4057793"   "4060735"   "4070577"   "4119948"   "4142178"   "4189510"   "4220040"	US-PGPUB; USPAT; USOCR	AND	OFF	2007/03/06 12:33
9/6/07 6:17:04 PM		C:\Documents and Settings\Ningyue2\My Documents\EAST\workspaces\10702572-modem connect to power line comm.wsp			Page 11	

## EAST Search History

S34	20	(automatic\$4 adj2 gain adj2 control\$2) and modem and (power adj2 line) and (adjust adj2 power)	USPAT	AND	OFF	2007/03/06 14:59
S35	39	("20020140547"   "4114151"   "4310805"   "4359644"   "4396915"   "4418333"   "4504831"   "4517548"   "4517562"   "4538136"   "4583090"   "4602340"   "4636771"   "4641322"   "4700188"   "4749992"   "4937569"   "5070537"   "5185591"   "5251191"   "5334975"   "5416364"   "5581229"   "5978371"   "6002213"   "6137240"   "6154488"   "6172616"   "6393126"   "6396839"   "6577231"   "6686848"   "6737984"   "6744351"   "6834002"   "6834091"   "6838978"   "6998963"   "7012505").PN.	US-PGPUB; USPAT; USOCR	AND	OFF	2007/03/06 14:48
S36	9	("4937569").URPN.	USPAT	AND	OFF	2007/03/06 14:56

## EAST Search History

S37	162	("3083357"   "3656112"   "3663762"   "3688271"   "3705385"   "3729727"   "3742142"   "3754250"   "3786423"   "3820073"   "3842206"   "3858212"   "3868640"   "3906166"   "3914757"   "3922490"   "3944723"   "3967264"   "4004097"   "4031513"   "4035772"   "4040046"   "4042906"   "4075607"   "4086434"   "4086504"   "4119948"   "4135181"   "4156129"   "4166975"   "4213119"   "4241237"   "4254472"   "4264897"   "4296411"   "4302750"   "4312072"   "4315251"   "4316262"   "4337376"   "4347498"   "4394540"   "4396915"   "4427968"   "4451699"   "4455453"   "4500870"   "4519068"   "4549004"   "4568934"   "4578536"   "4589075"   "4597105"   "4614945"   "4628313"   "4639728"   "4646084"   "4692761"   "4698628"   "4706080"   "4707852"   "4710919"   "4713837"   "4724435"   "4799059"   "4799062"   "4803632"   "4804938"   "4809362"   "4811011"   "4817131"   "4829540"   "4833618"   "4864589"   "4866733"   "4866761"   "4881070"   "4887259"   "4893332"   "4912552"   "4928177"   "4937569"   "4939726"   "4940976"   "5007052"   "5010568"   "5025470"   "5032833"   "5032978"   "5038140"   "5056107"   "5079768"   "5088108"   "5138615"   "5155481"   "5161153"   "5161182"   "5179569"   "5197095"   "5200987"   "5243338"   "5252967"   "5262966"   "5270704"   "5276899"   "5311581"   "5321542"   "5353282"   "5353412"   "5363375"   "5377232"   "5381136"   "5383134"   "5384777"   "5388101"   "5390260"	US-PGPUB; USPAT; USOCR	AND	OFF	2007/03/06 14:57
9/6/07 6:17:04 PM	C:\Documents and Settings\Nvolver2\My Documents\EAST\workspaces\10702572-modem connect to power line comm.wsp					Page 13

## EAST Search History

S38	207	(automatic\$4 adj2 gain adj2 control\$2) and (power adj2 control adj2 system)	USPAT	AND	OFF	2007/03/06 15:17
S39	40	S38 and sensor\$2	USPAT	AND	OFF	2007/03/06 15:00
S40	43	("3571767"   "3838342"   "4164628"   "4189677"   "4193031"   "4222115"   "4349915"   "4426630"   "4621365"   "4653069"   "4694467"   "4697260"   "4765753"   "4965539"   "4984247"   "5056109"   "5077753"   "5081643"   "5093840"   "5101501"   "5103459"   "5109390"   "5161168"   "5170410"   "5179572"   "5180999"   "5218618"   "5224120"   "5228056"   "5233626"   "5257283"   "5265119"   "5267262"   "5291516"   "5299226"   "5305348"   "5305349"   "5363403"   "5386588"   "5485486"   "5535238"   "5631921"   "5659572").PN.	US-PGPUB; USPAT; USOCR	AND	OFF	2007/03/06 15:03
S41	27	("5146153").URPN.	USPAT	AND	OFF	2007/03/06 15:09
S42	2940	375/222.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	OFF	2007/03/06 15:13
S43	79	S42 and (modem) and (adjust\$4 adj2 power\$2)	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	OFF	2007/03/06 15:17
S44	3722	power adj2 line adj2 communication	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	OFF	2007/03/06 15:59
S45	2	S44 and (automatic\$4 adj2 gain adj2 control\$2) and (power adj2 control adj2 system)	USPAT	AND	OFF	2007/03/06 15:17
S46	7	("5448593"   "5497398"   "5631610"   "5636246"   "5995539"   "6532256"   "6549520").PN.	US-PGPUB; USPAT; USOCR	AND	OFF	2007/03/06 15:19
S47	30	("5448593").URPN.	USPAT	AND	OFF	2007/03/06 15:21
S48	13	("6229432").URPN.	USPAT	AND	OFF	2007/03/06 15:27

## EAST Search History

S49	221	("20030109938"   "20030141295"   "3334340"   "3659280"   "3689886"   "3710373"   "3810096"   "3818481"   "3876984"   "3895370"   "3909821"   "3911415"   "3938129"   "3942168"   "3942170"   "3944723"   "3967264"   "3973240"   "3980954"   "4008467"   "4016429"   "4017845"   "4065763"   "4200862"   "4307380"   "4321851"   "4328482"   "4348582"   "4355303"   "4371867"   "4377804"   "4379284"   "4392121"   "4398178"   "4400688"   "4408186"   "4418333"   "4419758"   "4433326"   "4471399"   "4479215"   "4528667"   "4538136"   "4540890"   "4556864"   "4556865"   "4556866"   "4563650"   "4599598"   "4602240"   "4611274"   "4628440"   "4633218"   "4636771"   "4638299"   "4642607"   "4642637"   "4644320"   "4654630"   "4675579"   "4675668"   "4686356"   "4703306"   "4716409"   "4745391"   "4745392"   "4746809"   "4746897"   "4772870"   "4780588"   "4782322"   "4785195"   "4788527"   "4815106"   "4835517"   "4837414"   "4885563"   "4890089"   "4903006"   "4952905"   "4972060"   "4980540"   "5032435"   "5043860"   "5086385"   "5185591"   "5198642"   "5235167"   "5241283"   "5257006"   "5264823"   "5268666"   "5272300"   "5274209"   "5321232"   "5352957"   "5410292"   "5410949"   "5426286"   "5452344"   "5472347"   "5485040"   "5491463"   "5504311"   "5521445"   "5570085"   "5573691"   "5600119"   "5621662"   "5634101"   "5691691"   "5694108"   "5704029"   "5706191"   "5710100"   "5717072"	US-PGPUB; USPAT; USOCR	AND	OFF	2007/03/06 15:29
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## EAST Search History

S50	12	("4200862"   "4418333"   "4429299"   "4628440"   "4638299"   "4703306"   "5352957"   "5471114"   "5491463"   "5734230"   "5838226"   "5877957").PN.	US-PGPUB; USPAT; USOCR	AND	OFF	2007/03/06 15:32
S51	18	("6281784").URPN.	USPAT	AND	OFF	2007/03/06 15:36
S52	18	("20030107471"   "4200862"   "4495573"   "4872003"   "5061922"   "5305355"   "5491463"   "5530896"   "5815660"   "5838226"   "5945936"   "6085191"   "6088516"   "6195688"   "6281784"   "6633538"   "6750781"   "6782436").PN.	US-PGPUB; USPAT; USOCR	AND	OFF	2007/03/06 15:37
S53	59	("5491463").URPN.	USPAT	AND	OFF	2007/03/06 15:40
S54	5	("5264823"   "5404127"   "5491463"   "6040759"   "6252823").PN.	US-PGPUB; USPAT; USOCR	AND	OFF	2007/03/06 15:42
S55	6	("3659277"   "3938129"   "4234926"   "5365223"   "5635896"   "6281784").PN.	US-PGPUB; USPAT; USOCR	AND	OFF	2007/03/06 15:48
S56	5	("5365223").URPN.	USPAT	AND	OFF	2007/03/06 15:49
S57	17	("3938129").URPN.	USPAT	AND	OFF	2007/03/06 15:50
S58	37	("4973940").URPN.	USPAT	AND	OFF	2007/03/06 15:53
S59	4319	power adj2 line adj2 communication\$2	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	OFF	2007/03/07 18:00
S60	8	S59 and thevenin	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	OFF	2007/03/06 16:02
S61	9	("4540951"   "4570128"   "4791383"   "5241283"   "5510754"   "5512859"   "5786731"   "6166603"   "6236273").PN.	US-PGPUB; USPAT; USOCR	AND	OFF	2007/03/06 16:01
S62	626	S59 and (frequency adj2 band\$2)	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	OFF	2007/03/06 16:03
S63	133	S62 and 340/310\$.cccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	OFF	2007/03/06 16:03



## EAST Search History

S64	10	("4357598"   "4473817"   "4602240"   "4766414"   "4903006"   "4918422"   "5818517"   "5828293"   "5977650"   "6037678").PN.	US-PGPUB; USPAT; USOCR	AND	OFF	2007/03/06 16:08
S65	18	("5844949").URPN.	USPAT	AND	OFF	2007/03/06 16:11
S66	65	("5684450").URPN.	USPAT	AND	OFF	2007/03/06 16:17
S67	43257	(power adj2 line adj2 communication\$4) or plc	USPAT	AND	OFF	2007/03/07 11:52
S68	45523	(power adj2 line adj2 communication\$4) or plc\$2	USPAT	AND	OFF	2007/03/07 17:07
S69	133	S68 and (adjust\$4 adj2 power same output)	USPAT	AND	OFF	2007/03/07 12:05
S70	714	S68 and (agc or (automatic adj2 gain adj2 control))	USPAT	AND	OFF	2007/03/07 12:05
S71	82	S70 and modem	USPAT	AND	OFF	2007/03/07 12:06
S72	36	("4004110"   "4016429"   "4065763"   "4142178"   "4188619"   "4254402"   "4323882"   "4357598"   "4408186"   "4433284"   "4473816"   "4481501"   "4602240"   "4675648"   "4745391"   "4772870"   "4903006"   "4937529"   "5101161"   "5210519"   "5257006"   "5260659"   "5301208"   "5351272"   "5384540"   "5406249"   "5559377"   "5627474"   "5684450"   "5694108"   "5717685"   "5777789"   "5856776"   "5864284"   "6031700"   "6236218").PN.	US-PGPUB; USPAT; USOCR	AND	OFF	2007/03/07 12:23

## EAST Search History

S73	36	("4562415"   "4829543"   "5025452"   "5068890"   "5319634"   "5353301"   "5422913"   "5488629"   "5499272"   "5504777"   "5528585"   "5546383"   "5546422"   "5579304"   "5592506"   "5610939"   "5640333"   "5661802"   "5689527"   "5706313"   "5706428"   "5712872"   "5729571"   "5745480"   "5784402"   "5802467"   "5805017"   "5818127"   "5822363"   "5825810"   "5828692"   "5828707"   "5841390"   "5848103"   "6118827"   "6320941").PN.	US-PGPUB; USPAT; USOCR	AND	OFF	2007/03/07 12:37
S74	21	("4189713"   "4200862"   "4367455"   "4377754"   "4387371"   "4398178"   "4418333"   "4429299"   "4430639"   "4467314"   "4518945"   "4524288"   "4628440"   "4638299"   "4703306"   "4755792"   "4992774"   "4998024"   "5005187"   "5072216"   "5109222").PN.	US-PGPUB; USPAT; USOCR	AND	OFF	2007/03/07 14:21
S75	17	("4398178").URPN.	USPAT	AND	OFF	2007/03/07 14:23
S76	60	("5717685").URPN.	USPAT	AND	OFF	2007/03/07 15:54
S77	60	("5717685").URPN.	USPAT	AND	OFF	2007/03/07 15:54
S78	5	("5241283"   "5452344"   "5717685"   "5834973"   "6665620").PN.	US-PGPUB; USPAT; USOCR	AND	OFF	2007/03/07 15:55
S79	518	S68 and (electromagnetic adj2 radiation)	USPAT	AND	OFF	2007/03/07 16:52
S80	14	S79 and (maximum adj2 power)	USPAT	AND	OFF	2007/03/07 17:02
S81	7	S79 and (radiation adj2 limit\$2)	USPAT	AND	OFF	2007/03/07 17:02
S82	488	S68 and (maximum adj2 power)	USPAT	AND	OFF	2007/03/07 17:02
S83	23	S68 and (radiation adj2 limit\$2)	USPAT	AND	OFF	2007/03/07 17:02

# EAST Search History

S84	340	("1547242"   "20010038329"   "20010038343"   "20010045888"   "20010052843"   "20010054953"   "20020002040"   "20020010870"   "20020014884"   "20020027496"   "20020041228"   "20020048368"   "20020060624"   "20020071452"   "20020080010"   "20020095662"   "20020097953"   "20020098867"   "20020098868"   "20020105413"   "20020109585"   "20020110310"   "20020110311"   "20020118101"   "20020121963"   "20020140547"   "20020154000"   "20020171535"   "20030007570"   "20030007576"   "20030062990"   "20030067910"   "20030090368"   "20030103307"   "20030107477"   "20030129978"   "20030149784"   "20030160684"   "20030169155"   "20030179080"   "20030184433"   "20030185237"   "20030201759"   "20030201873"   "20030210135"   "20030210734"   "20030222747"   "20030222748"   "20030224784"   "20030227373"   "20030232599"   "20030234713"   "20040001438"   "20040001499"   "20040003934"   "20040022304"   "20040032320"   "20040037317"   "20040047335"   "20040054425"   "20040056734"   "20040064782"   "20040067745"   "20040070912"   "20040083066"   "20040113756"   "20040135676"   "20040142599"   "20040174851"   "20040223617"   "20040227621"   "20040227622"   "20040242185"   "2298435"   "2577731"   "3369078"   "3445814"   "3605009"   "3641536"   "3656112"   "3696383"   "3701057"   "3702460"   "3810096"   "3846638"   "3895370"   "3900842"   "3911415"   "3942168"   "3942170"   "3962547"   "3964048"   "3967264"   "3973087"   "3973240"   "4004110"   "4004257"   "4012733"   "4016429"   "4017845"   "4053876").PN. OR ("4057793"   "4060735"   "4070572"   "4119948"   "4142178"   "4188619"   "4239940"   "4250489"   "4254402"   "4263549"   "4268818"   "4323882"   "4357598"   "4350644"   "4367577"	US-PGPUB; USPAT; USOCR	AND	OFF	2007/03/07 17:05
9/6/07 6:17:04 PM	C:\Documents and Settings\Nancy\My Documents\EAST\workspaces\10702572-modem connect to power line comm.wsp					Page 19

# EAST Search History

S85	340	("1547242"   "20010038329"   "20010038343"   "20010045888"   "20010052843"   "20010054953"   "20020002040"   "20020010870"   "20020014884"   "20020027496"   "20020041228"   "20020048368"   "20020060624"   "20020071452"   "20020080010"   "20020095662"   "20020097953"   "20020098867"   "20020098868"   "20020105413"   "20020109585"   "20020110310"   "20020110311"   "20020118101"   "20020121963"   "20020140547"   "20020154000"   "20020171535"   "20030007570"   "20030007576"   "20030062990"   "20030067910"   "20030090368"   "20030103307"   "20030107477"   "20030129978"   "20030149784"   "20030160684"   "20030169155"   "20030179080"   "20030184433"   "20030185237"   "20030201759"   "20030201873"   "20030210135"   "20030210734"   "20030222747"   "20030222748"   "20030224784"   "20030227373"   "20030232599"   "20030234713"   "20040001438"   "20040001499"   "20040003934"   "20040022304"   "20040032320"   "20040037317"   "20040047335"   "20040054425"   "20040056734"   "20040064782"   "20040067745"   "20040070912"   "20040083066"   "20040113756"   "20040135676"   "20040142599"   "20040174851"   "20040223617"   "20040227621"   "20040227622"   "20040242185"   "2298435"   "2577731"   "3369078"   "3445814"   "3605009"   "3641536"   "3656112"   "3696383"   "3701057"   "3702460"   "3810096"   "3846638"   "3895370"   "3900842"   "3911415"   "3942168"   "3942170"   "3962547"   "3964048"   "3967264"   "3973087"   "3973240"   "4004110"   "4004257"   "4012733"   "4016429"   "4017845"   "4053876").PN. OR ("4057793"   "4060735"   "4070572"   "4119948"   "4142178"   "4188619"   "4239940"   "4250489"   "4254402"   "4263549"   "4268818"   "4323882"   "4357598"   "4350644"   "4357598"	US-PGPUB; USPAT; USOCR	AND	OFF	2007/03/07 17:05
9/6/07 6:17:04 PM	C:\Documents and Settings\millerj2\My Documents\EAST\workspaces\10702572-modem connect to power line comm.wsp					Page 20

## EAST Search History

S86	114	S68 and (radiation adj2 intensity)	USPAT	AND	OFF	2007/03/07 17:11
S87	147	maximum adj2 (radiation adj2 intensity)	USPAT	AND	OFF	2007/03/07 17:12
S88	6	S87 and (S68)	USPAT	AND	OFF	2007/03/07 17:11
S89	2	S87 and modem	USPAT	AND	OFF	2007/03/07 17:12
S90	0	electromag\$4 adj2 radiation adj2 intensity	USPAT	AND	OFF	2007/03/07 17:12
S91	430	electromagnetic\$4 adj2 radiation adj2 intensity	USPAT	AND	OFF	2007/03/07 17:24
S92	10	S91 and (power adj2 line\$2)	USPAT	AND	OFF	2007/03/07 17:13
S93	60	("4070572").URPN.	USPAT	AND	OFF	2007/03/07 17:14

## EAST Search History

S94	352	("1547242"   "20010038329"   "20010038343"   "20010045888"   "20010052843"   "20010054953"   "20020002040"   "20020010870"   "20020014884"   "20020027496"   "20020041228"   "20020048368"   "20020060624"   "20020071452"   "20020080010"   "20020095662"   "20020097953"   "20020098867"   "20020098868"   "20020105413"   "20020109585"   "20020110310"   "20020110311"   "20020118101"   "20020121963"   "20020140547"   "20020154000"   "20020171535"   "20030007570"   "20030007576"   "20030062990"   "20030067910"   "20030090368"   "20030103307"   "20030107477"   "20030129978"   "20030149784"   "20030160684"   "20030169155"   "20030179080"   "20030184433"   "20030185237"   "20030201759"   "20030201873"   "20030210135"   "20030210734"   "20030222747"   "20030222748"   "20030224784"   "20030227373"   "20030232599"   "20030234713"   "20040001438"   "20040001499"   "20040032320"   "20040037317"   "20040054425"   "20040064782"   "20040067745"   "20040070912"   "20040083066"   "20040110483"   "20040113756"   "20040113757"   "20040142599"   "20040174851"   "20040223617"   "20040227621"   "20040227622"   "20040242185"   "20040257731"   "20040266322"   "20040266332"   "20050017825"   "20050063422"   "20050128057"   "20050164666"   "20050194838"   "20050249245"   "20050258920"   "2298435"   "2577731"   "3369078"   "3445814"   "3605009"   "3641536"   "3656112"   "3696383"   "3701057"   "3702460"   "3810096"   "3846638"   "3895370"   "3900842"   "3911415"   "3942168"   "3942170"   "3962547").PN. OR ("3964048"   "3967264"   "3973087"   "3973240"   "3993989"   "4004110"   "4004257"   "4012733"   "4016429"   "4017845"   "4053876"   "4057793"   "4060735"   "4070572"   "4119948"   "4142178"   "4188610"   "4220040"	US-PGPUB; USPAT; USOCR	AND	OFF	2007/03/07 17:16
9/6/07 6:17:04 PM					Page 22	
C:\Documents and Settings\Nigel\My Documents\EAST\workspaces\10702572-modem connect to power line comm.wsp						

## EAST Search History

S95	42	electromagnetic\$4 adj2 radiation and (power adj2 line\$2 adj2 communication\$2)	USPAT	AND	OFF	2007/03/07 17:24
S96	11	("20030006881"   "20030137405"   "5589813"   "5684450"   "5777769"   "5949236"   "6297729"   "6417762"   "6741162"   "6917888"   "6952159").PN.	US-PGPUB; USPAT; USOCR	AND	OFF	2007/03/07 17:26
S97	83	power adj2 line adj2 communication\$2 and (adjust\$4 adj2 power)	US-PGPUB; USPAT; EPO; JPO; DERWENT	AND	OFF	2007/03/07 18:01
S98	7	("3810096"   "5349644"   "5402073"   "5465287"   "5559440"   "5869909"   "5949327").PN.	US-PGPUB; USPAT; USOCR	AND	OFF	2007/03/07 18:07

## EAST Search History

S99	74	("4004110"   "4016429"   "4142178"   "4188619"   "4254402"   "4323882"   "4357598"   "4408186"   "4433284"   "4433326"   "4473816"   "4481501"   "4602240"   "4644321"   "4668934"   "4675648"   "4709339"   "4745391"   "4772870"   "4800363"   "4903006"   "5066939"   "5181026"   "5210519"   "5257006"   "5301208"   "5351272"   "5404127"   "5406249"   "5424710"   "5497142"   "5559377"   "5581229"   "5684450"   "5684451"   "5684826"   "5691691"   "5694108"   "5705974"   "5717685"   "5777769"   "5777789"   "5818127"   "5844949"   "5856776"   "5859584"   "5864284"   "5892795"   "5929750"   "5933071"   "5952914"   "5977650"   "5982276"   "5994998"   "5995911"   "6023106"   "6037678"   "6040759"   "6104707"   "6144292"   "6154488"   "6172597"   "6297729"   "6297730"   "6300881"   "6313738"   "6317031"   "6331814"   "6404773"   "6407987"   "6449348"   "6452482"   "6529120"   "6577230").PN.	US-PGPUB; USPAT; USOCR	AND	OFF	2007/03/08 09:55
S10 0	44	("4668934").URPN.	USPAT	AND	OFF	2007/03/08 10:02
S10 1	10	(US-6980091-\$ or US-5684450-\$ or US-7103240-\$ or US-6515485-\$ or US-6417762-\$ or US-4070572-\$ or US-7091878-\$ or US-5589813-\$ or US-6452482-\$ or US-4668934-\$).did.	USPAT	AND	OFF	2007/03/08 10:14
S10 2	1	S101 and (adjust\$4 adj2 power)	USPAT	AND	OFF	2007/03/08 10:22
S10 3	2	S101 and (output adj2 power)	USPAT	AND	OFF	2007/03/08 10:15
S10 4	0	S101 and (electro\$4 adj2 intensity)	USPAT	AND	OFF	2007/03/08 10:22



## EAST Search History

S10 5	0	S101 and (electromagnet\$4 adj2 intensity)	USPAT	AND	OFF	2007/03/08 10:22
S10 6	7	S101 and (electromagnet\$4 )	USPAT	AND	OFF	2007/03/08 10:46
S10 7	16	("3702460"   "3810096"   "4016429"   "4307380"   "4408186"   "4433326"   "4697166"   "4815106"   "4864589"   "5666255"   "5781386"   "5818127"   "5982276"   "6040969"   "6104707"   "6166458").PN.	US-PGPUB; USPAT; USOCR	AND	OFF	2007/03/08 10:32
S10 8	13	(US-6980091-\$ or US-5684450-\$ or US-7103240-\$ or US-6515485-\$ or US-6417762-\$ or US-4070572-\$ or US-7091878-\$ or US-5589813-\$ or US-6452482-\$ or US-4668934-\$ or US-5982276-\$ or US-4864589-\$ or US-4697166-\$).did.	USPAT	AND	OFF	2007/03/08 10:45
S10 9	9	S108 and (intensity or radiat\$4)	USPAT	AND	OFF	2007/03/08 13:38
S11 0	3	S108 and (mismatch\$4)	USPAT	AND	OFF	2007/03/08 11:28
S11 1	54	electromagnetic adj2 radiation same modem	USPAT	AND	OFF	2007/03/08 11:32
S11 2	4	S111 and (adjust\$4 same power)	USPAT	AND	OFF	2007/03/08 11:30
S11 3	23	S111 and (sensor\$2)	USPAT	AND	OFF	2007/03/08 11:30
S11 4	24	("6417762").URPN.	USPAT	AND	OFF	2007/03/08 11:52

## EAST Search History

S11 5	68	( "20010045888"   "20010052843"   "20010054953"   "20020002040"   "20020010870"   "20020024423"   "20020027496"   "20020049368"   "20020075797"   "20020095662"   "20020097953"   "20020098867"   "20020098868"   "20020105413"   "20020109585"   "20020110310"   "20020110311"   "20020118101"   "20020121963"   "20020154000"   "20030007576"   "20030160684"   "20030190110"   "20030201759"   "20030201873"   "20030210135"   "20030222747"   "20030222748"   "20030224784"   "20040032320"   "4602240"   "5684450"   "5847447"   "5864284"   "5929750"   "5933071"   "5949327"   "5952914"   "5982276"   "6040759"   "6137412"   "6141634"   "6144292"   "6157292"   "6172597"   "6173021"   "6282405"   "6297729"   "6297730"   "6313738"   "6317031"   "6331814"   "6396392"   "6396393"   "6404773"   "6417762"   "6449318"   "6452482"   "6477212"   "6492897"   "6496104"   "6507573"   "6515485"   "6522626"   "6549120"   "6590493"   "6646447"   "6781481").PN.	US-PGPUB; USPAT; USOCR	AND	OFF	2007/03/08 11:54
S11 6	0	S108 and (phase\$2 adj2 detector)	USPAT	AND	OFF	2007/03/08 13:38
S11 7	0	S108 and (phase\$2 adj2 sensor\$2)	USPAT	AND	OFF	2007/03/08 13:39
S11 8	354532	(phase\$2 adj2 sensor\$2 or detector\$2)	USPAT	AND	OFF	2007/03/08 13:39
S11 9	22886	(phase\$2 adj2 (sensor\$2 or detector\$2))	USPAT	AND	OFF	2007/03/08 13:42
S12 0	965	power adj2 line adj2 communication\$2	USPAT	AND	OFF	2007/03/08 13:42
S12 1	38	S119 and S120	USPAT	AND	OFF	2007/03/08 13:42